IN THE SPECIFICATION

[0016] For example, if the radio is to tune to 2.4 GHz, then synthesizer 423 could be set to 1.92 GHz and synthesizer 424 could be set to 0.48 GHz (because 1.92 GHz ± 0.48 GH = 2.4 GHz). If the synthesizers generate these frequencies from a 32 MHz reference oscillator, then spurs can be generated at 2.4 GHz (32 MHz x 75), 2.432 GHz (32 MHz x 76), and 2.464 GHz (32 MHz x 77). Figure 4B illustrates an exemplary spur 430 generated at 2.432 GHz. Of importance, spur 430 coincides with a pilot 431 (one of four pilots indicated by a cross-sectional pattern) provided within the 52 sub-channels of this 17 MHz wide band. Note that although spur 430 is a narrow band frequency, the strength of spur 430 can affect other sub-channels adjacent to the sub-channel including spur 430 as indicated by curves 432 (also known as skirts). Other spurs, not shown, could coincide with and/or affect other pilots, data, and the shorts/longs in the preamble.